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CPY - LEEB-I

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IN - JUN B H; LEE B C

MC - A10-B A10-D A11-B05C A12-H05

PA - (LEEB-I) LEE B C

PN - KR2001038850 A 20010515 DW200202 C23C16/50 001pp

PR - KR19990046983 19991027

XA - C2002-004024

XIC - C23C-016/50

AB - KR2001038850 NOVELTY - A method for improving the releasing property of a mold using the low temperature plasma process is provided to obtain a method for coating on the mold a polymer thin film which not only is not contaminated by materials such as a releasing agent due to the excellent releasing property but also has the high durability due to the high cohesion to the mold.

- DETAILED DESCRIPTION - In a method for improving the releasing property of a mold by coating a polymer thin film comprising pretreatment step of treating the mold with the reactive gas plasma; and plasma polymer coating step of depositing the polymer produced by plasma polymerizing a monomer gas on the mold (11), the polymer coating step comprises a binding layer (12) coating step of coating the pretreated mold by polymerizing as gradually increasing the pressure of a reaction chamber (the pressure of the monomer gas); and a functional layer (13) coating step of coating the binding layer coated mold by polymerizing as constantly maintaining the pressure of the reaction chamber.

- (Dwg.1/10)

IW - METHOD IMPROVE RELEASE PROPERTIES LOW TEMPERATURE PLASMA PROCESS

IKW - METHOD IMPROVE RELEASE PROPERTIES LOW TEMPERATURE PLASMA PROCESS

INW - JUN B H; LEE B C

NC - 001

OPD - 1999-10-27

ORD - 2001-05-15

PAW - (LEEB-I) LEE B C

TI - Method for improving releasing property of mold using low temperature plasma process